

150. The heparinic mucopolysaccharides of claim 148 wherein fractions have a molecular weight range from about 2500 to about 3000.

151. The heparinic mucopolysaccharides of claim 150 wherein fractions have a molecular weight of about 2500.

152. The heparinic mucopolysaccharides of claim 151 wherein fractions have 8 to 12 monosaccharide units.

153. The heparinic mucopolysaccharides of claim 152 wherein the mucopolysaccharides have a USP titer of about 45 units per mg, a Yin-Wessler titer of about 160 units/mg a ratio of Yin-Wessler to USP titers of about 3.55.--

REMARKS

This is in response to the Office Action of October 3, 1985.

Applicants petition the Patent Office for the three extensions of time and authorize the Patent Office to debit account No. 23-0813 for the statutory fee of \$390.00.

The first sentence under the standard paragraph referring to joint inventors apparently intends to refer to the Applicants. The named inventors were indeed co-inventors of the invention which was commonly owned at the time the invention was made.

A clean copy of claims 108-136 will be promptly supplied.

The product claims have been deleted without prejudice. The claims submitted herewith define the invention with even greater particularity under 35 USC 112, paragraph 2. Basis for the claims is found in the specification and in the original claims as well as in the deleted claims.

The molecular weight limits and ranges are disclosed at page 7, line 3, page 19, line 12, page 26, line 4 from the bottom and page 27, line 3. The Yin-Wessler to USP ratio of 2 to 5, and preferably 3 to 5 is found at page 9, last line of the paragraph. The USP titer of "less than 10" is disclosed, for instance on page 26, line 2 from the bottom. The values set forth in claim 139 are found in Example 1, page 21.

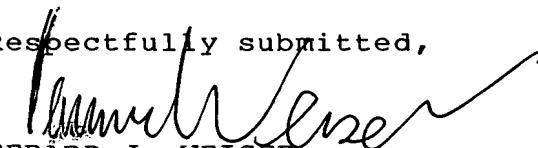
Basis for the "10" ratio is found in original claim 2. Basis for the "about 2,000 to about 8,000 range" of claim 149 is found on page 45, line 11. Basis for the values of claims 150-152 is found principally on page 19.

Basis for the additional claims submitted is found in the specificaiton and the original claims.

The Applicants are submitting herewith three publications identified further below. These publications deal with oligosaccharides. The publications will be commented upon in detail in a Communication to follow.

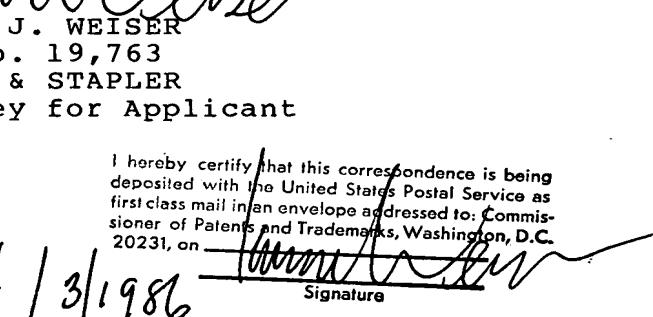
E.A. Johnson et al, Thrombos. Haemostas. (Stuttg.), Vol. 37, pages 586-591 January, 1976, L.O Anderson et al, Thrombosis Research, Vol. 9, pages 575-583, September, 1976, and Trevor W. Barrowcliffe et al, Thrombosis Research, Vol. 12, pages 27-36, October, 1977.

Respectfully submitted,


GERARD J. WEISER
Reg. No. 19,763
WEISER & STAPLER
Attorney for Applicant

WEISER & STAPLER
1510 Two Penn Center Plaza
Philadelphia, PA 19102
(215) 563-6600

Enclosure: Publications

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on 

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